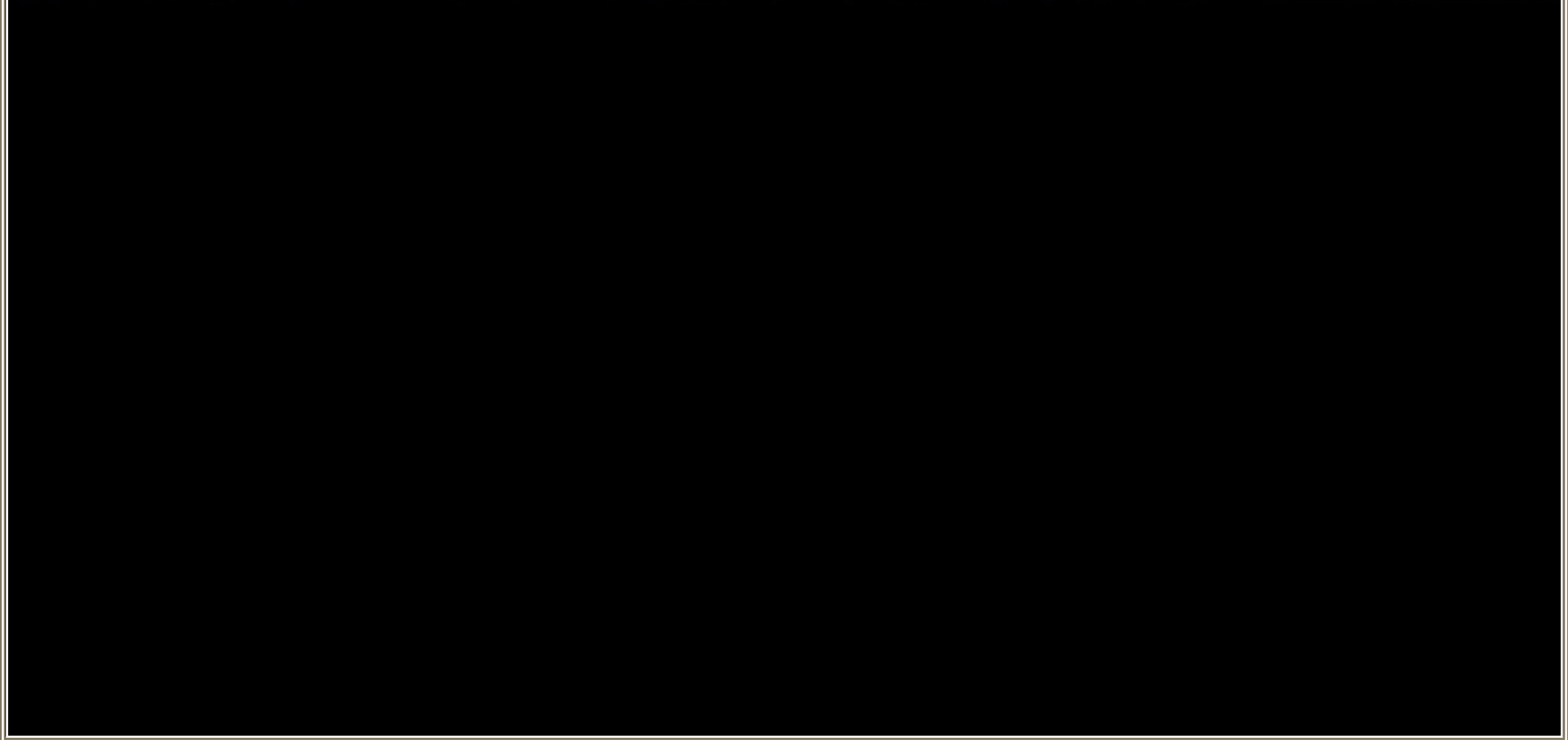
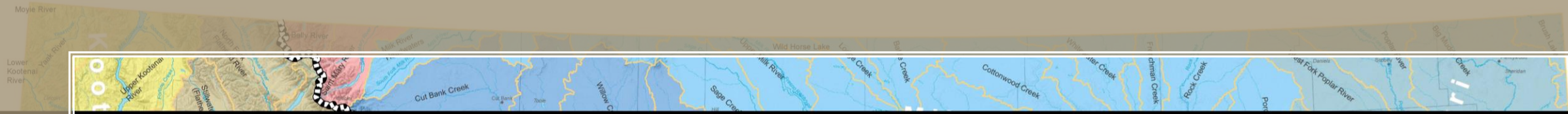


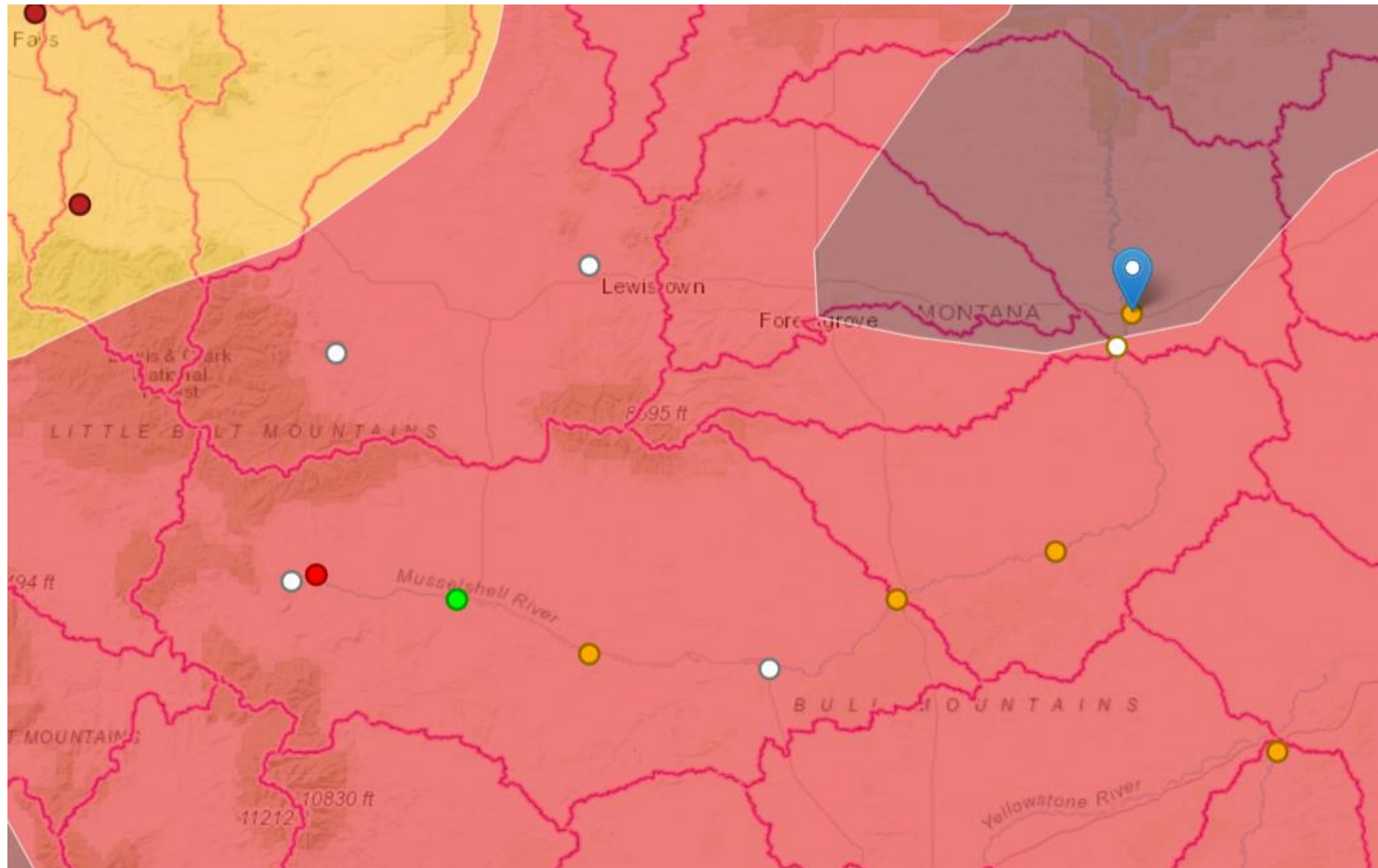
Musselshell Watershed Coalition



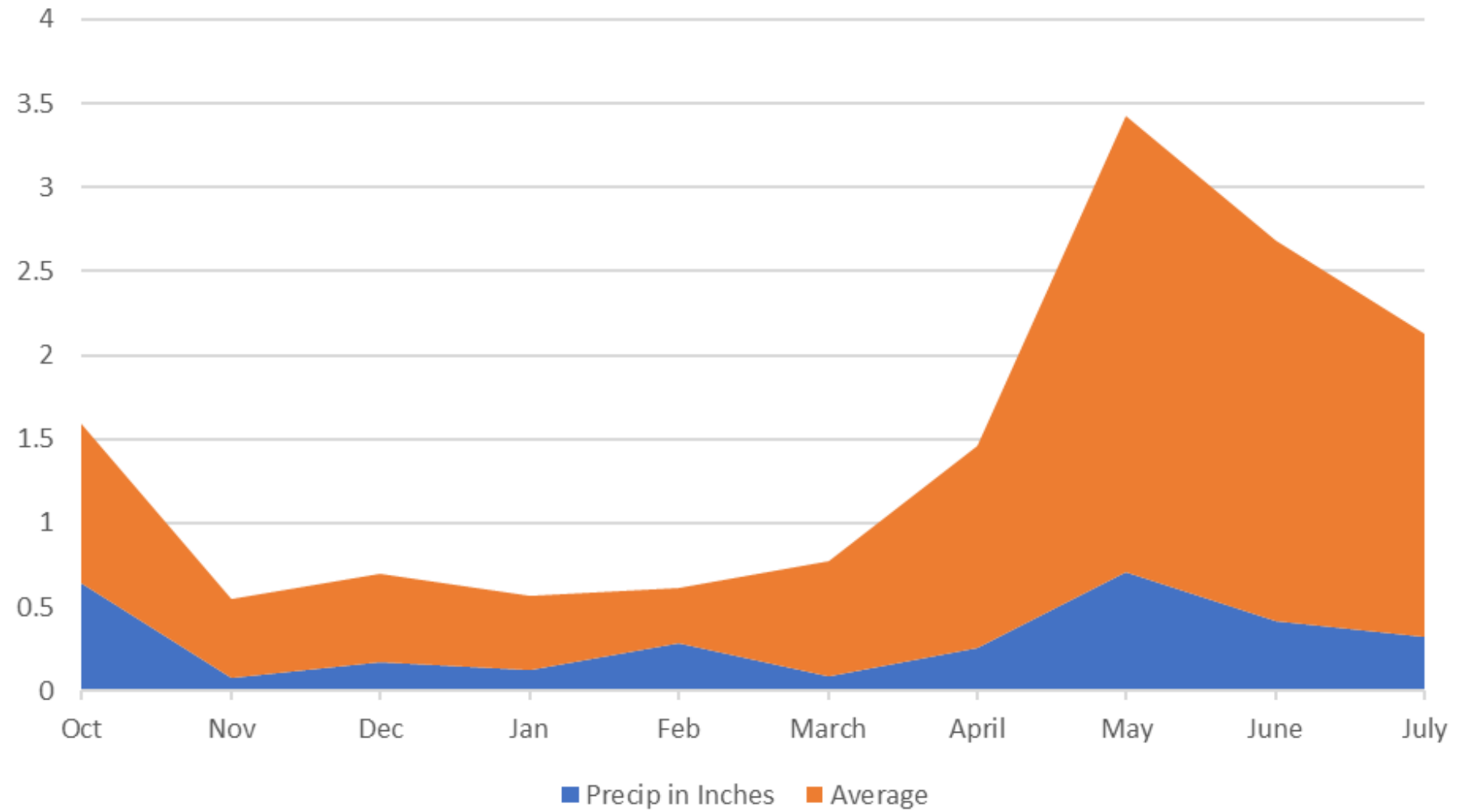
Governor's Drought and Water Supply
Advisory Committee

August 11, 2021

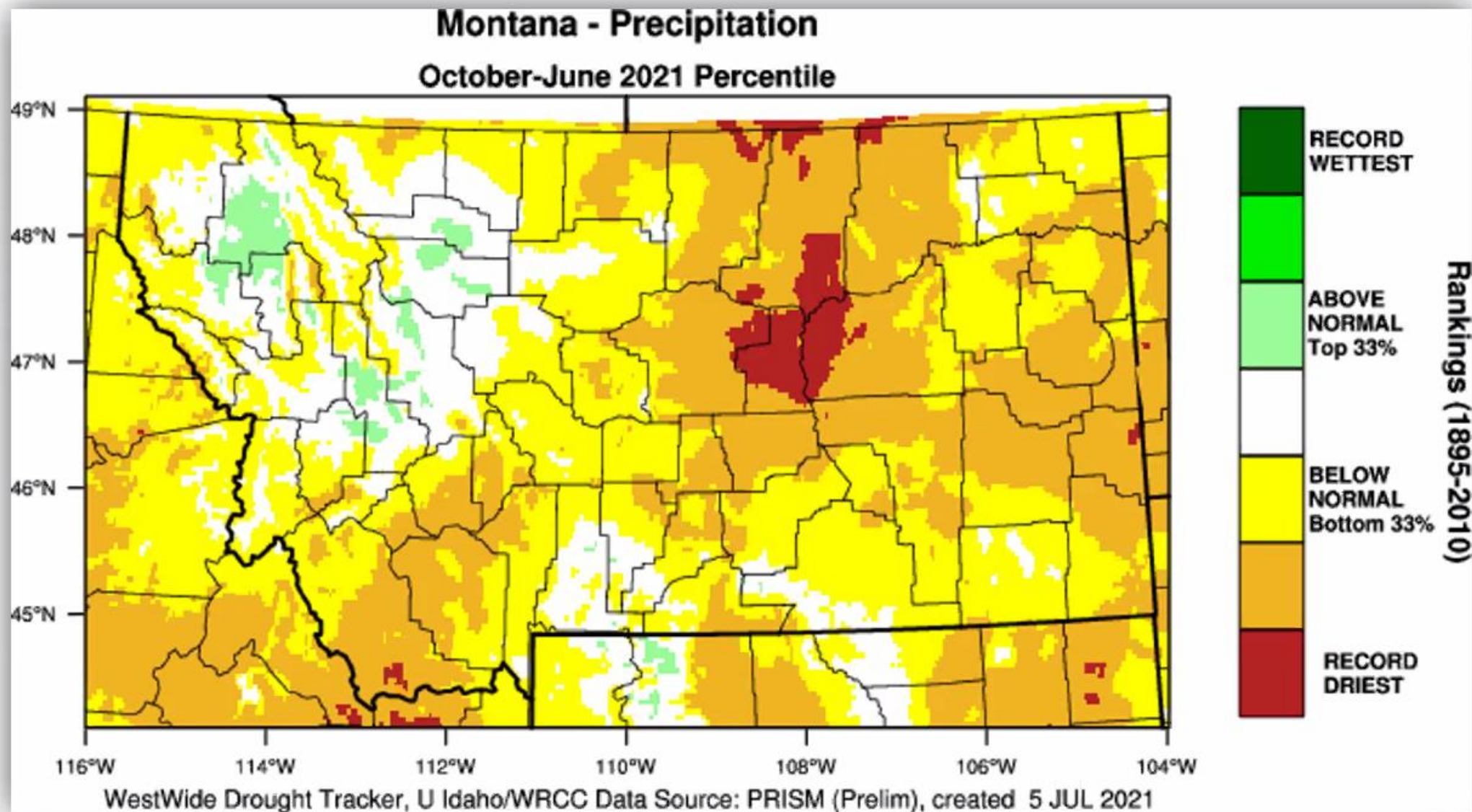


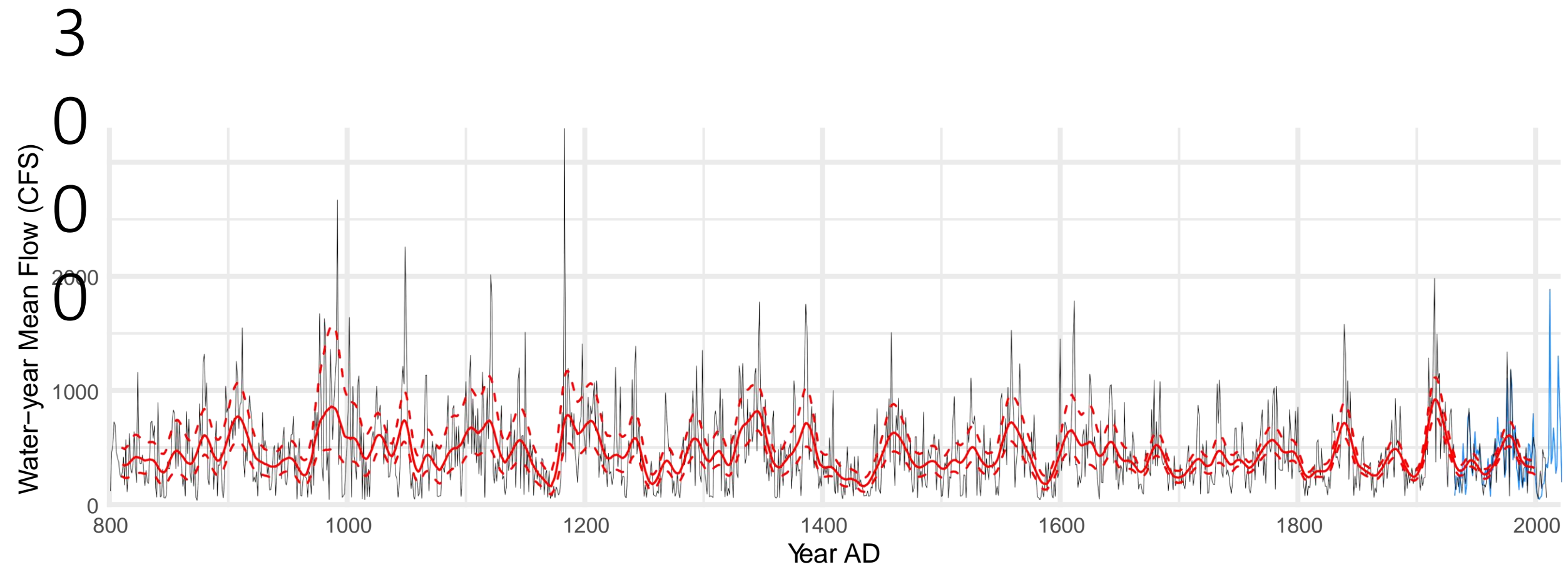


2021 Water Year - Northern Petroleum County

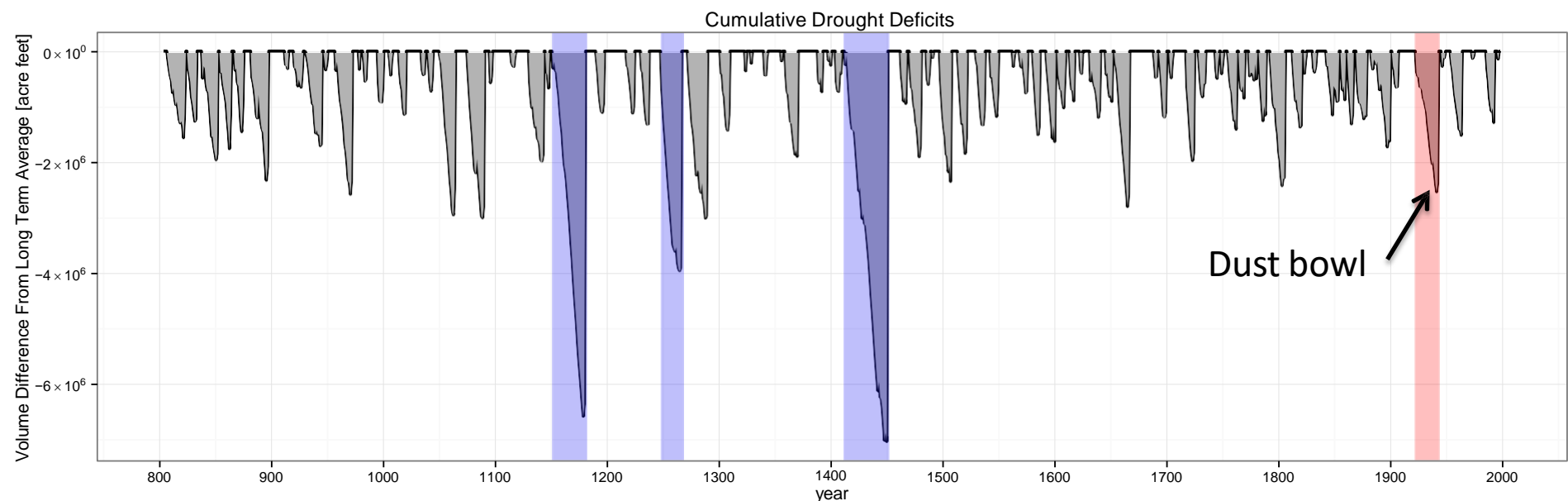


WY Precipitation Ranking



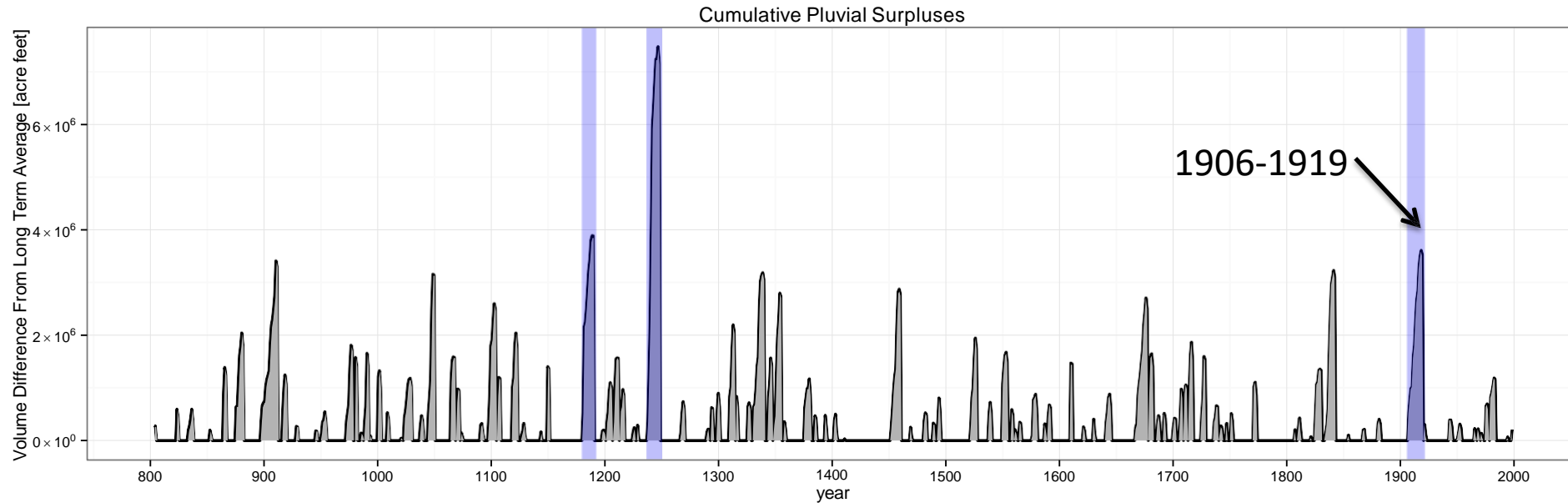


Musselshell River at Mosby: Low-Flow Periods



gage	drought_category	rank	cumulative_deficit_[acre_feet]	start_year	end_year	drought_length
Musselshell River at Mosby MT	35-39 yr	1	-7032975.091	1412	1450	39
Musselshell River at Mosby MT	30-34 yr	2	-6357219.242	1151	1180	30
Musselshell River at Mosby MT	15-19 yr	3	-3902113.926	1248	1266	19
Musselshell River at Mosby MT	15-19 yr	4	-2968516.656	1272	1289	18
Musselshell River at Mosby MT	15-19 yr	5	-2789477.522	1075	1090	16
Musselshell River at Mosby MT	10-14 yr	6	-2569424.495	1653	1666	14
Musselshell River at Mosby MT	15-19 yr	7	-2487900.349	1050	1064	15
Musselshell River at Mosby MT	20-24 yr	8	-2367465.954	1922	1942	21
Musselshell River at Mosby MT	10-14 yr	9	-2345449.933	1497	1507	11
Musselshell River at Mosby MT	15-19 yr	10	-2322771.475	957	972	16
Musselshell River at Mosby MT	10-14 yr	11	-2273812.872	1792	1805	14
Musselshell River at Mosby MT	10-14 yr	12	-1895487.495	1359	1370	12
Musselshell River at Mosby MT	10-14 yr	13	-1872474.517	1130	1143	14
Musselshell River at Mosby MT	5-9 yr	14	-1836763.124	1717	1724	8
Musselshell River at Mosby MT	5-9 yr	15	-1628373.743	1592	1600	9
Musselshell River at Mosby MT	5-9 yr	16	-1572684.862	1513	1521	9
Musselshell River at Mosby MT	5-9 yr	17	-1407923.979	1754	1762	9
Musselshell River at Mosby MT	5-9 yr	18	-1371967.438	1580	1586	7

Musselshell River at Mosby: High-Flow Periods



gage	pluvial_category	rank	cumulative_deficit_[acre_feet]	start_year	end_year	pluvial_length
Musselshell River at Mosby MT	10-14 yr	1	7160649.324	1237	1248	12
Musselshell River at Mosby MT	10-14 yr	2	3881403.038	1180	1190	11
Musselshell River at Mosby MT	10-14 yr	3	3525805.835	1906	1919	14
Musselshell River at Mosby MT	15-19 yr	1	3304288.594	897	912	16
Musselshell River at Mosby MT	5-9 yr	1	3141111.16	1044	1050	7
Musselshell River at Mosby MT	10-14 yr	4	3098771.904	1833	1842	10
Musselshell River at Mosby MT	10-14 yr	5	3056979.167	1330	1340	11
Musselshell River at Mosby MT	5-9 yr	2	2735399.631	1348	1355	8
Musselshell River at Mosby MT	5-9 yr	3	2489843.312	1097	1104	8
Musselshell River at Mosby MT	5-9 yr	4	2069284.614	1309	1314	6
Musselshell River at Mosby MT	5-9 yr	5	1811123.909	875	882	8
Musselshell River at Mosby MT	2-4 yr	1	1454251.867	1609	1611	3
Musselshell River at Mosby MT	2-4 yr	2	1416662.725	980	982	3
Musselshell River at Mosby MT	2-4 yr	3	1360259.821	1149	1151	3
Musselshell River at Mosby MT	2-4 yr	4	1249691.832	864	867	4
Musselshell River at Mosby MT	2-4 yr	5	1178189.93	1105	1108	4

A photograph of a herd of brown cows in a dry, dusty field. The cows are standing in a line, and a large amount of dust is being kicked up, creating a hazy atmosphere. In the background, a large barn is visible. The sky is a pale, hazy blue.

Drought


This is the worst I've ever seen it.

I've never seen anything like this.

It's never been this dry.

It's not sexy, like fire or flood, but maybe more impactful.

What this
looks like:



Water	Irrigation distribution Hauling water
Livestock	Selling cows/Early Weaning
Forage	Buying hay and supplement

Irrigation







Water Distribution

- What could I have done to stretch the water further?
- We're dependent on filling dams and having natural flow, but this year there was no natural flow.
- This year there was a full allocation of stored water, but we might not get that next year.
- The water managers did a great job this year for sure.









Fire

- Devils Creek
- MY Complex
- American Fork



For Immediate Release – July 23, 2021
Contact: Mark Jacobsen, 406-233-2831, mjacobsen@blm.gov

Firefighters injured by Garfield County wildfire

(MILES CITY, Mont.) – Federal firefighters were injured when a sudden wind shift blew the wildfire back over their position as they were constructing a defensive fire line on the perimeter of the Devils Creek Fire in Garfield County, July 22.

The five injured firefighters were members of federal crews called in to assist Bureau of Land Management, Montana Department of Natural Resources and Conservation, Garfield County and local resources already on scene.

The firefighters were evacuated and are currently undergoing further medical evaluation to determine the extent of their injuries.

Numerous wind shifts and rapid rates of spread resulted in erratic fire behavior as thunderstorms and associated cells were passing over the area when the incident occurred.

The lightning-caused wildfire is burning in rough, steep terrain and is located near the Pine Grove School, about 36 miles northwest of Jordan, and east of the Devils Creek Road which accesses the south shore of Fort Peck Reservoir.

Personnel on site continue to fight the blaze, which as of the most recent mapping, has burned roughly 375 acres of BLM and private land.

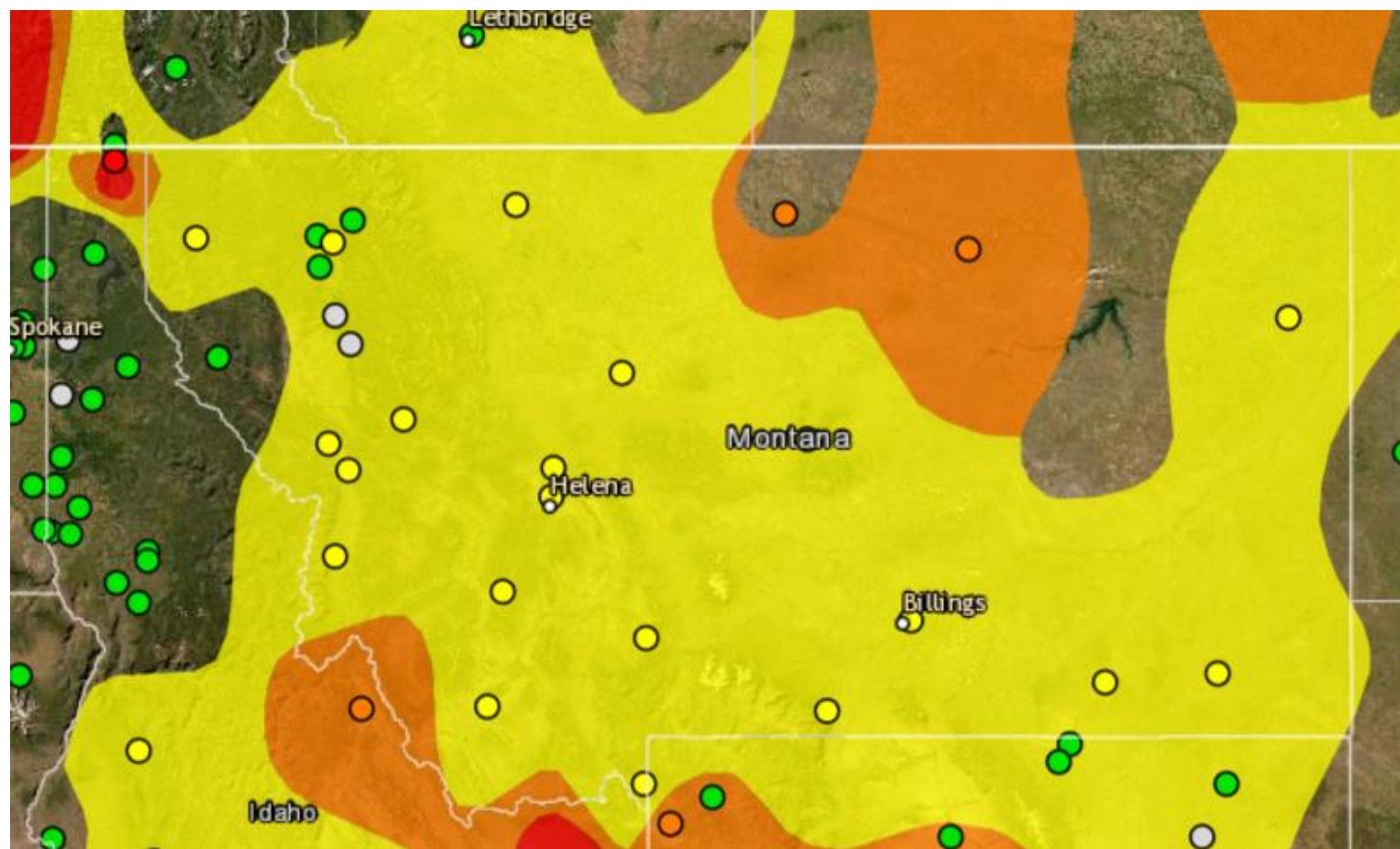
Additional information and updates on the incident will be made available as safety investigations determine the



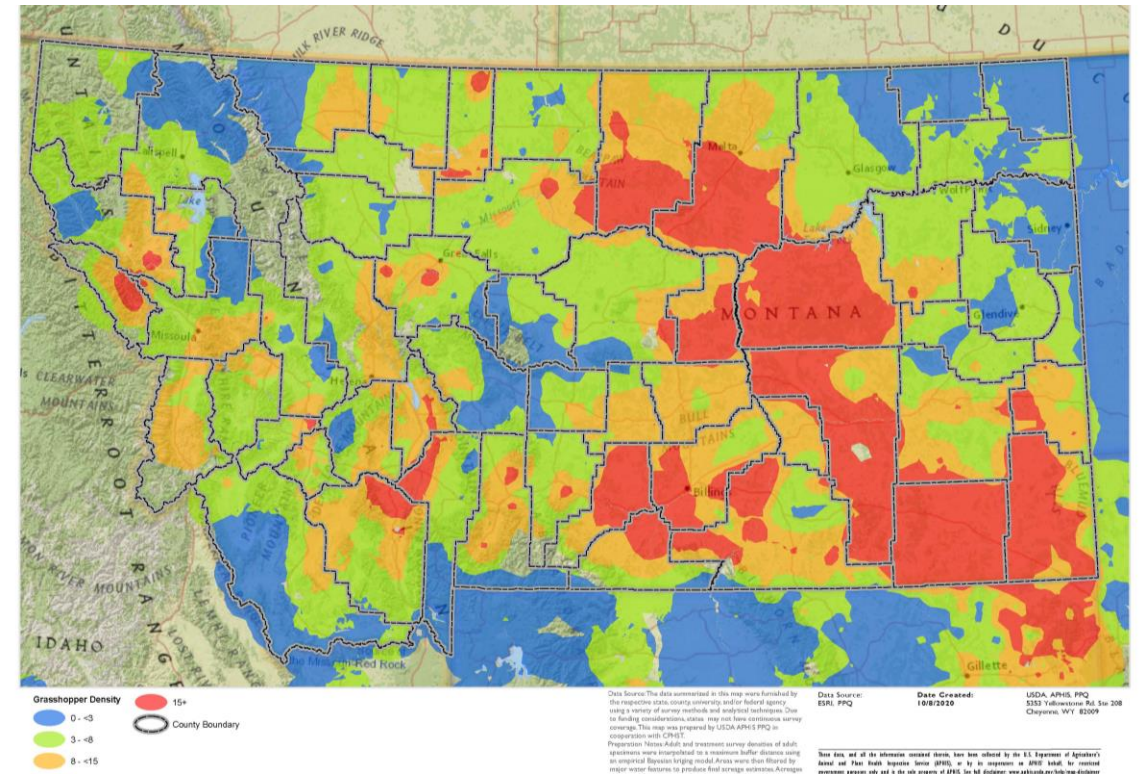
The Devils Creek Fire continues to burn in Garfield County today. The fire has burned about 375 acres in rough topography. This photo was taken July 22. (BLM Photo by Mark Jacobsen.)



Air Quality



Grasshoppers



Mental Health





Resilience





Neighbors



We don't know how long this one is going to last, that's the question, isn't it?

- Neighbor Network – Lower Musselshell Conservation District and MSU Extension
- “It's next year country and we all need to be here next year.”
 - Tom Browning

